	Application No.	Applicant(s)	
Notice of Allowability	09/483,337	KOOL, ERIC T.	
	Examiner	Art Unit	
		4600	
	L. E. Crane	1623	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr GHTS. This application is	in this application. If not include nunication will be mailed in due	ded e course. THIS
1. 🖾 This communication is responsive to the amendment of Au	igust 12, 2005.		
2. The allowed claim(s) is/are <u>56-60,81 and 82</u> .			
 Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 	nder 35 U.S.C. § 119(a)-(d) or (f).	
 Certified copies of the priority documents have 	been received.		•
2. Certified copies of the priority documents have	been received in Applicat	ion No	
3. Copies of the certified copies of the priority do	cuments have been receiv	ed in this national stage applic	ation from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the re	equirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) ☐ including changes required by the Notice of Draftspers		ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		•	
(b) including changes required by the attached Examiner's	s Amendment / Comment	or in the Office action of	
Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			e back) of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the
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Attachment(s)			
1. Notice of References Cited (PTO-892)	5. Notice of I	nformal Patent Application (PT	O-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413), ./Mail Date <u>7/8 & 11/9/2005</u> .	
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 8/12/2005 	8), 7. ⊠ Examiner'	s Amendment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner	s Statement of Reasons for All	owance
of Diological Material	9.	L. E. Crane, Ph.D. Primary Patent Ex Technology Cente	aminer

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An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. §1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

Claims 1-55 and 61-80 were cancelled without prejudice to the filing of divisional or continuation applications.

Claim 56 has been replaced in its entirety by the following:

-- 56. A method for detecting a genetic polymorphism in a target nucleic acid comprising:

providing a mutant polymorphism oligonucleotide probe that is complementary to a region on the target nucleic acid that comprises the genetic polymorphism;

providing a universal oligonucleotide probe capable of binding to the target nucleic acid at a region that is conserved in the analogous wild-type nucleic acid;

wherein one oligonucleotide probe constitutes an upstream oligonucleotide having, as its 5'-end, a ribo- or deoxyribonucleoside wherein the 5'-hydroxyl group thereof has been replaced by a leaving group, and the other oligonucleotide probe constitutes a downstream oligonucleotide comprising, at its 3' end, a nucleoside comprising a 3' functional group selected from the group consisting of 3'-phosphoroselenoates such that, when both probes are bound to the target nucleic acid, an end of the universal oligonucleotide probe is substantially adjacent to an end of the mutant polymorphism oligonucleotide probe so as to position the 5' leaving group and the 3'-functional group in close proximity to one another;

contacting the target nucleic ācid with the universal oligonucleotide probe and the mutant polymorphism oligonucleotide probe to yield an autoligated oligonucleotide product comprising the universal oligonucleotide probe and the mutant polymorphism probe, and

detecting the presence of the autoligated oligonucleotide product, wherein the presence of an autoligated product indicates the presence of a genetic polymorphism in the target nucleic acid. --

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The following new claims have been added:

- -- 81. The method of claim 56 wherein the target nucleic acid is DNA. --
- -- 82. The method of claim 56 wherein the target nucleic acid is RNA. --

Authorization for this Examiner's Amendment was given in a telephone interview with Ms. Victoria A. Sandberg on November 9, 2005.

Papers related to this application may be submitted to Group 1600 via facsimile transmission (FAX). The transmission of such papers must conform with the notice published in the Official Gazette (1096 OG 30, November 15, 1989). The telephone number to FAX (unofficially) directly to Examiner's computer is 571-273-0651. The telephone number for sending an Official FAX to the PTO is 703-872-9306.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner L. E. Crane whose telephone number is **571-272-0651**. The examiner can normally be reached between 9:30 AM and 5:00 PM, Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ms. S. Anna Jiang, can be reached at **571-272-0627**.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group 1600 receptionist whose telephone number is **571-272-1600**.

All Post-Allowance Correspondence concerning this application must be mailed to:

BOX ISSUE FEE
COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

OR you can FAX them to the Office of Patent Publications at 703-308-5083, in order to expedite the handling of such correspondence as amendments under 37 C.F.R. §1.312; Information Disclosure Statements (IDS's), and formal drawings. Sending Post-Allowance papers to Technology Center 1600 will only cause <u>delays</u> in matching papers with the case.

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For information concerning status of correspondence sent after receipt of the Notice of Allowance, please contact the Correspondence Branch at <u>703-305-8027</u>. The Notice of Allowance also has an insert containing contact information for other items, including Issue Fees, receipt of formal drawings, and the status of the application.

LECrane: lec 11/10/2005

L. E. Crane, Ph.D., Esq.

Primary Patent Examiner Technology Center 1600